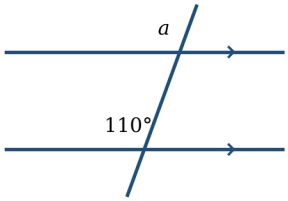
Day 124 **C Tier 10-a-day**

1 The temperature is −6°C.
It rises by 9°C.
What is the new temperature?

2 Two parallel lines are crossed by a straight line.
Work out the size of angle a.
Give a reason for your answer.



3 The stem and leaf diagram shows the times, in seconds, taken by runners.
How many values are there altogether?

Stem	Leaf
1	4 5 7
2	7 8
3	4 4 6 6 6

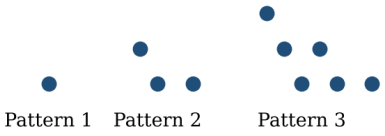
Key: 1 | 4 means 14

4 Solve $\frac{q}{9} = 6$

5 £1 = $1.25
Change £100 into US dollars.

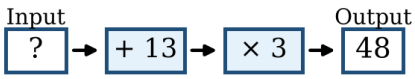
Day 124 **C Tier 10-a-day**

6 The diagram shows the first three patterns in a sequence made by Dev.
Each pattern is made from dots.
How many dots are in Pattern 4?



7 Work out $\frac{1}{5}$ of 45 kg.

8 Here is a function machine.
The output is 48.
Work out the input.



9 Each minibus holds 30 people.
87 people need a lift.
How many minibuses are needed?

10 A rectangle has an area of 24 cm^2.
Its width is 4 cm.
Work out the perimeter of the rectangle.